Transport in Porous Media **11** (1993)

Contents of Volume 11

Volume 11 No. 1 April 1993

DENGEN ZHOU and ERLING H. STENBY / Displacement of Trapped Oil from Water-Wet Reservoir Rock 1

DENGEN ZHOU and ERLING H. STENBY / Interpretation of Capillary Pressure Curves Using Invasion Percolation Theory 17

WILLEM JAN P. BOSMA and SJOERD E. A. T. M. VAN DER ZEE / Analytical Approximation for Nonlinear Adsorbing Solute Transport and First-Order Degradation 33

ALEX HANSEN, EINAR L. HINRICHSEN, and DIETRICH STAUFFER / Percolation in Layered Media – A Conductivity Approach 45

STEVEN L. BRYANT, PETER R. KING, and DAVID W. MELLOR / Network Model Evaluation of Permeability and Spatial Correlation in a Real Random Sphere Packing 53

M. J. McGUINNESS, M. BLAKELEY, K. PRUESS, and M. J. O'SULLIVAN / Geothermal Heat Pipe Stability: Solution Selection by Upstreaming and Boundary Conditions 71

Volume 11 No. 2 May 1993

MOSHE SILBERBUSH, SHAUL SOREK, and ALEX YAKIREVICH / K^+ Uptake by Root Systems Grown in Soil Under Salinity: I. A Mathematical Model 101

J. CID, P. CRAUSSE, and C. LANGLAIS / Diffusion of Moisture in Deformable Porous Media. Anisotropic Fibrous Materials 117

W. G. LAIDLAW, W. G. WILSON, and DENNIS A. COOMBE / A Lattice Model of Foam Flow in Porous Media: A Percolation Approach 139

C. DAVID, M. DAROT, and D. JEANNETTE / Pore Structures and Transport Properties of Sandstone 161

ROGER YOUNG / Two-Phase Brine Mixtures in the Geothermal Context and the Polymer Flood Model 179

Research Note:

M. QUINTARD / Diffusion in Isotropic and Anisotropic Porous Systems: Three-Dimensional Calculations 187

Volume 11 No. 3 June 1993

R. EHRLICH / Viscous Coupling in Two-Phase Flow in Porous Media and Its Effect on Relative Permeabilities 201

A. V. SHENOY / Darcy–Forchheimer Natural, Forced and Mixed Convection Heat Transfer in Non-Newtonian Power-Law Fluid-Saturated Porous Media 219

RAMON G. BENTSEN and ABDALLA A. MANAI / On the Use of Conventional Cocurrent and Countercurrent Effective Permeabilities to Estimate the Four Generalized Permeability Coefficients which Arise in Coupled, Two-Phase Flow 243

CAROL BRAESTER and DAVID G. ZEITOUN / Pressure Transient Response of Stochastically Heterogeneous Fractured Reservoirs 263

PIOTR KOWALCZYK / Mechanical Model of Lung Parenchyma as a Two-Phase Porous Medium 281